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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=6; day=24; hr=14; min=36; sec=37; ms=927; ]

=====

Application No: 10592919 Version No: 1.0

**Input Set:**

**Output Set:**

**Started:** 2008-06-02 10:38:42.694  
**Finished:** 2008-06-02 10:38:44.262  
**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 568 ms  
**Total Warnings:** 46  
**Total Errors:** 2  
**No. of SeqIDs Defined:** 48  
**Actual SeqID Count:** 48

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
E 249	Order Sequence Error <210> -> <220>; Expected Mandatory Tag: <211> in SEQID ( 9 )
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
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W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

**Input Set:**

**Output Set:**

**Started:** 2008-06-02 10:38:42.694  
**Finished:** 2008-06-02 10:38:44.262  
**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 568 ms  
**Total Warnings:** 46  
**Total Errors:** 2  
**No. of SeqIDs Defined:** 48  
**Actual SeqID Count:** 48

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
W 213	Artificial or Unknown found in <213> in SEQ ID (22) This error has occurred more than 20 times, will not be displayed
E 250	Structural Validation Error; Sequence listing may not be indexable

SEQUENCE LISTING

<110> Michael, T. Migawa  
Walter F. Lima  
Eric E. Swayze  
Joshua Nichols  
Hongjiang Wu  
Thazha P. Prakash  
Tadeusz Krzysztof Wyrzykiewicz  
Balkrishen Bhat  
Stanley T. Crooke

<120> COMPOSITIONS AND METHODS FOR OPTIMIZING  
CLEAVAGE OF RNA BY RNASE H

<130> CORE0037USA

<150> PCT/US2005/008428

<151> 2005-03-15

<150> 60/609,516

<151> 2004-09-13

<150> 60/567,016

<151> 2004-04-29

<150> 60/553,646

<151> 2004-03-15

<160> 48

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<210> 11  
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<220>  
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<400> 11  
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<210> 12  
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<400> 15  
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<400> 17  
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<210> 29  
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<212> DNA

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2'-fluorothymidine or 2-thiouridine or  
2'-S-methylthymidine or 4'-methylthymidine or  
3'-methylthymidine

<400> 29  
ctacgcnttc cacgcacagt 20

<210> 30  
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2'-fluorothymidine or 2-thiouridine or  
2'-S-methylthymidine or 4'-methylthymidine or  
3'-methylthymidine

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2'-fluorothymidine or 2-thiouridine or  
2'-S-methylthymidine or 4'-methylthymidine or  
3'-methylthymidine or abasic nucleotide or 2,4-F-tolyl

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ctacgcttnc cacgcacagt 20

<210> 32  
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<223> 2'-ara-fluorocytidine or abasic nucleotide or  
2,4-F-tolyl

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linker or adenine with pentyl linker or  
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linker or cytidine with butyl linker or cytidine  
with pentyl linker

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